

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 66, Hobbs, New Mexico
Lessor or Tract A. M. Lockhart B-11 Field Undesignated State New Mexico
Well No. 2-D Sec. 11 T. 21-S R. 37-E Meridian N.M.P.M. County Lea
Location 330 ft. [S.] of N. Line and 330 ft. [E.] of N. Line of Section 11 Elevation 3455
(Survey base relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed E. L. ShapiroDate September 12, 1951Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling July 16, 1951 Finished drilling August 15, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6528 to 6650 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4	32.75	82	H-40	253	Bridge shoe				Put off water
7 5/8	26.45	82	H-40	1992	Bridge shoe				Put off salt
5 1/2	19.5	82	H-40	1592	Bridge shoe				(See History) Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity
10 3/4	266	250	Pump & Plug	
7 5/8	3049	1992	Pump & Plug	
5 1/2	6017	375	Pump & Plug	

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		None				

TOOLS USED

Rotary tools were used from _____ feet to 6618 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing September 8, 1951
The production for the first 24 hours was 172 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 38
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

T. V. Smith, Driller Otto Ward, Driller
C. G. Gibbs, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1300	1300	Surface sands and red beds.
1300	1430	130	Anhydrite.
1430	2470	1040	Salt and anhydrite.
2470	3010	540	Anhydrite.
3010	6170	3160	Lime.
6170	6245	75	Lime and sand.
6245	6618	573	Lime.

DST #1 from 5000-5600', Klinebry: Tool open 45 mins., gas to surface in 3 mins. Flowed 69 MCF gas per day. Rec. 300' drlg. mud.
DST #2 from 6615 to 6618', Brinkard: Tool open 1 hr. Gas to surface in 5 mins. TSTM. Rec. 900' free oil, 210' oil and gas cut mud.
Perforated 5 1/2" casing from 6750-6780' w/120 jet holes and 6791-6802' w/44 holes. Stabbed dry, no oil, gas or water. Acidized w/1000 gals. Stabbed & flowed 84 bbls. oil and 61 bbls. water in 15 hrs. Set wire line bridge plug at 6745', perforated 6715-6740' w/100 holes. Stabbed 34 bbls. fluid, 15% water, in 8 hrs. Set bridge plug at 6711', perf. 6674-6706' and 6650-6668' w/160 holes. Stabbed 42 bbls. oil, 15% water, plus oil load in 11 hrs. Set bridge plug at 6650', perf. 6622-6650' w/112 holes. Stabbed 17 bbls. oil, 10% water, in 10 hrs. Acidized w/1000 gals. Stabbed & flowed 104 bbls., 3 to 5% water, in 10 hrs. Set bridge plug at 6616', perf. 6587-6612' w/100 holes. Stabbed dry. Treated w/1000 gals acid. Stabbed dry. Reacidized w/2000 gals. Stabbed approx. 1 bbl. fluid per hr. Set plug at 6583', perf. 6553-6579' w/104 holes. Stabbed dry. Acidized w/1000 gals. Stabbed 1 1/2 bbls. per hr., 5-10% water. Reacidized w/2000 gals. Stabbed 1 1/2 bbl per hr. Set plug at 6548', perforated 6528-6543' w/60 holes. Stabbed dry. Acidized w/1000 gals. Stabbed 3 bbls. oil, no water, in 2 hrs. Reacidized w/3000 gals. acid. Stabbed 17 bbls. oil, no water, in 5 hrs. Drilled and retained to 6653'. On initial potential flowed 43 bbls. oil, no water, in 6 hrs. thru 1" choke at 2" tubing ESP a daily potential of 172 bbls. oil. Gas volume 186 MCF per day. GOR 1150. CP 475%, TP 30%.

